

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-23 (canceled).

24. (currently amended): A sealing gasket for closure comprising a polyurethane elastomer obtained by reacting the following (A) and (B):

(A) a polyisocyanate component having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups, obtained by modifying an aliphatic isocyanate and/or an alicyclic isocyanate, and

(B) a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of one or more high-molecular polyol(s) according to Claim 4, wherein the one or more high-molecular polyol(s) is at least one member selected from polytetramethylene ether glycols and adipate-type polyester polyols.

25. (currently amended): A sealing gasket for closure comprising a polyurethane elastomer obtained by reacting the following (A) and (B):

(A) a polyisocyanate component having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups, obtained by modifying an aliphatic isocyanate and/or an alicyclic isocyanate, and

(B) a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of a mixture of a high-molecular polyol and a low-molecular polyol according to Claim 5, wherein the high-molecular polyol is at least one member selected from polytetramethylene ether glycols and adipate-type polyester polyols.

Claims 26-27 (canceled).

28. (currently amended): A process for producing a closure, which comprises reacting the following (A) and (B) at the inner side of a closure to synthesize a polyurethane elastomer in such a state that the polyurethane elastomer is integrated with the closure:

(A) a polyisocyanate component having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups, obtained by modifying an aliphatic isocyanate and/or an alicyclic isocyanate, and

(B) a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups consisting of one or more high-molecular polyol(s) according to Claim 11, wherein the one or more high-molecular polyol(s) is at least one member selected from polytetramethylene ether glycols and adipate-type polyester polyols.

29. (currently amended): A process for producing a closure, which comprises reacting the following (A) and (B) at the inner side of a closure to synthesize a polyurethane elastomer in such a state that the polyurethane elastomer is integrated with the closure:

(A) a polyisocyanate component having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups, obtained by modifying an aliphatic isocyanate and/or an alicyclic isocyanate, and

(B) a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of a mixture of a high-molecular polyol and a low-molecular polyol according to Claim 12, wherein the high-molecular polyol is at least one member selected from polytetramethylene ether glycols and adipate-type polyester polyols.

Claims 30-31 (canceled).

32. (currently amended): A process for producing a closure according to ~~Claim 18~~Claim 28, wherein the inner side of the closure is lined with (A) and (B) and then (A) and (B) are reacted at 150 to 240°C for 20 to 200 seconds to synthesize a polyurethane elastomer in such a state that the polyurethane elastomer is integrated with the closure~~one or more high-molecular polyol(s) is at least one member selected from polytetramethylene ether glycols and adipate type polyester polyols.~~

33. (currently amended): A process for producing a closure according to ~~Claim~~
~~19~~Claim 29, wherein the inner side of the closure is lined with (A) and (B) and then (A) and (B)
are reacted at 150 to 240°C for 20 to 200 seconds to synthesize a polyurethane elastomer in such
a state that the polyurethane elastomer is integrated with the closure~~high-molecular polyol is at~~
~~least one member selected from polytetramethylene ether glycols and adipate type polyester~~
~~polyols.~~

Claims 34-39 (canceled).

40. (currently amended): A sealing gasket for closure according to ~~Claim 39~~Claim
24, wherein the polyurethane elastomer is obtained by reacting (A) and (B) at 150 to 240°C for
20 to 200 seconds~~the one or more high-molecular polyol(s) is at least one member selected from~~
~~polytetramethylene ether glycols and adipate type polyester polyols.~~

41. (canceled).

42. (currently amended): A sealing gasket for closure according to Claim 41, wherein
~~the high-molecular polyol is at least one member selected from polytetramethylene ether glycols~~
~~and adipate type polyester polyols~~ the polyurethane elastomer is obtained by reacting (A) and (B)
at 150 to 240°C for 20 to 200 seconds.

Claims 43-44 (canceled).

45. (currently amended): A sealing gasket for closure according to ~~Claim 1~~Claim 25, wherein the (A) ~~is a polyisocyanate component having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups,~~is obtained by modifying hexamethylene diisocyanate and/or isophorone diisocyanate according to an isocyanurate-forming reaction and/or a urethanization reaction; ~~and the (B) is a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of at least one member selected from polytetramethylene ether glycols and adipate type polyester polyols.~~

46. (currently amended): A sealing gasket for closure according to ~~Claim 1~~Claim 25, wherein the (A) ~~is a polyisocyanate component having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups,~~is obtained by modifying hexamethylene diisocyanate and/or isophorone diisocyanate according to an isocyanurate-forming reaction and/or a urethanization reaction; ~~and the (B) is a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of a mixture of a low molecular polyol and a high molecular polyol consisting of at least one member selected from polytetramethylene ether glycols and adipate type polyester polyols.~~

47. (currently amended): A process for producing a closure according to ~~Claim~~ 8Claim 28 wherein the (A) is ~~a polyisocyanate component having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups,~~ is obtained by modifying hexamethylene diisocyanate and/or isophorone diisocyanate according to an isocyanurate-forming reaction and/or a urethanization reaction; ~~and the (B) is a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of at least one member selected from polytetramethylene ether glycols and adipate type polyester polyols.~~

48. (currently amended): A process for producing a closure according to ~~Claim~~ 8Claim 29, wherein the (A) is ~~a polyisocyanate component having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups,~~ is obtained by modifying hexamethylene diisocyanate and/or isophorone diisocyanate according to an isocyanurate-forming reaction and/or a urethanization reaction; ~~and the (B) is a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of a mixture of a low molecular polyol and a high molecular polyol consisting of at least one member selected from polytetramethylene ether glycols and adipate type polyester polyols.~~

49. (currently amended): A process for producing a closure according to ~~Claim~~ 15Claim 28, wherein the (A) is ~~a polyisocyanate component having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups,~~ is obtained by modifying

hexamethylene diisocyanate and/or isophorone diisocyanate according to an isocyanurate-forming reaction and/or a urethanization reaction; ~~and the (B) is a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of at least one member selected from polytetramethylene ether glycols and adipate type polyester polyols.~~

50. (currently amended): A process for producing a closure according to ~~Claim~~ 15Claim 29, wherein the (A) is a polyisocyanate component ~~having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups,~~ is obtained by modifying hexamethylene diisocyanate and/or isophorone diisocyanate according to an isocyanurate-forming reaction and/or a urethanization reaction; ~~and the (B) is a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of a mixture of a low molecular polyol and a high molecular polyol consisting of at least one member selected from polytetramethylene ether glycols and adipate type polyester polyols.~~

51. (currently amended): A sealing gasket for closure according to ~~Claim 34~~ Claim 40, wherein the (A) is a polyisocyanate component ~~having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups,~~ is obtained by modifying hexamethylene diisocyanate and/or isophorone diisocyanate according to an isocyanurate-forming reaction and/or a urethanization reaction; ~~and the (B) is a polyol component having a hydroxyl value of~~

~~20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of at least one member selected from polytetramethylene ether glycols and adipate type polyester polyols.~~

52. (currently amended): A sealing gasket for closure according to ~~Claim 34~~Claim 42, wherein the (A) ~~is a polyisocyanate component having an isocyanate group content of 5 to 38% by weight and average 2 to 3 functional groups,~~ is obtained by modifying hexamethylene diisocyanate and/or isophorone diisocyanate according to an isocyanurate-forming reaction and/or a urethanization reaction; and the (B) ~~is a polyol component having a hydroxyl value of 20 to 350 mgKOH/g and average 2 to 3 functional groups, consisting of a mixture of a low molecular polyol and a high molecular polyol consisting of at least one member selected from polytetramethylene ether glycols and adipate type polyester polyols.~~